

## Abstract

An auger type ice making machine is provided with a freezing cylinder (21) into which water for making ice is supplied, an ice-scraping auger (23) for scraping ice formed on the inner surface of the freezing cylinder (21), and an auger motor (25) for driving the ice-scraping auger (23). A freezing apparatus (10) has a compressor (11) driven by a motor (16), circulating refrigerant discharged from the compressor (11) through a condenser (12), a dryer (13), a constant pressure expansion valve (14), and an evaporator (15) provided on the outer peripheral surface of the freezing cylinder (21). At the outlet of the evaporator (15) there is provided a temperature sensor (41) for sensing refrigerant temperature. A controller (42) controls the rotational speed of the motor (16) through an inverter circuit (43) such that the sensed refrigerant temperature is equal to a specified refrigerant temperature, allowing the freezing apparatus (10) to keep ice-making performance thereof. As a result, the auger type ice making machine can keep ice-making performance regardless of changes in ambient temperature or water temperature, securing stable ice generation and consistent quality of ice.